Elite SL STD

Rapid Development, Rapid Deployment

Elite SL STD is a strong licensing management dongle based on smart card technology. It is a high performance licensing control solution at an affordable price. The smart card technology and license management mechanism provide a quick and easy protection implementation for rapid development and deployment.

Strong Chip Security

With an embedded EAL 4+ encryption chip, hacker interception on in-dongle communication is rendered almost impossible. EAL 4+ means that the Elite SL STD provides outstanding effectiveness in resistance to all security attacks.

● **License verification**

API functions enable the creation of a license obtaining procedure based on the software's vital code stored in the Elite SL STD. In the case of failure, the software's execution stops immediately.

● **Verification of Developer ID and Product ID**

Software developers can verify the unique Developer ID and Product ID stored in the Elite SL STD. This effectively forbids illegal use as the Developer ID and Product ID are traceable.

Flexible License Management

● **Support up to 256 license modules**

256 license modules can be customized to manage the use of features in the software.

● **Licenze module can be customized**

Licenses can be specified to control the software: trial days, expiration date, execution of features, etc.

● **Secutity algorithm support**

Much more user data can be stored, making the protection scheme more flexible and fulfilling the requirement of protecting more software products

(or modules) at the same time.

Secured and Convenient Remote Update

License modules can be updated remotely.

● **Encryption of the update date**
Update data is encrypted by TDES and RSA algorithms and is shielded from any act of forging or tampering. The update data has only once-off validity to a specific Elite SL STD end-user key.

● **Hardware-based production of update data**
When producing the update data, an Elite SL STD master key is essential. Only end-user keys that have the same Developer ID and Product ID are approved to use the data generated by the master key.

Sophisticated Hardware

● **16KB large-capacity usage space**
Elite SL STD allocates 8KB to read-only and read-writable data blocks respectively that greatly enriches the encryption schemes for software developers.

● **Password lockout**
Each Elite SL STD has a 16-byte administration password, and the chip has a self-locking mechanism to resist dictionary attacks. If the attack frequency exceeds the initialized value, the chip will be self-locked and nobody can undongle it.

● **Unique serial number**
Each Elite SL STD has a 64-bit serial number released by the Global Organization for Standardization, not by the chip manufacturer. This number is globally unique and unchangeable. It can be very useful for the management of software release, update and verification.

● **Hardware Random number generator**
The hardware random number generator complies with FIPS 140 standard (Federal Information Processing Standard formulated by the U.S. National Institute of Standards and Technology) and is very effeective in the generation of random numbers without rules so as to confuse to the maximum any attempt at decryption.

● **Driverless**

In full compliance with USB-HID device interface specifications, Elite SL STD dongle can be used in most operating systems without additional device drivers. This greatly reduces the difficulty of deployment and maintenance.

Specification

CPU	16-bit, 16MHz	Smart Card
RAM(bytes)	VM Mode	254+2047
Memory(bytes)	**64K**	Min 100000 times in writing
IO Buffer(bytes)	250	
Working Temperature	-10~85°C	
Connection Type	USB 1.0, USB 2.0	Low speed with HID

Operating System Supported

Windows 98SE/ME, Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003, Windows Server 2008, WinCE, Linux, MacOS

Programming Language Supported

VC++, C++ Builder, VC6, VS2005, VS2008, Delphi6, Delphi7, Delphi2010, VB6, VB2008, C#, Java and more.